

Summary of Evidence of Lisa MacKenzie Planning

Caucusing

(points of difference)

- Discharges:
 - Disagree whether consumptive or non-consumptive
 - Agree
 - Under the NRRP considered non-complying
 - Under pLWRP or Hurunui Plan considered discretionary
- Use of water in Waipara Catchment.
 - Agreed covered by Waipara Plan
 - Water Quality is not covered by Waipara Plan but addressed in NRRP and pLWRP.

Caucusing

(Points to note)

- Ecan Act does not apply to discharges and on-plains storage.
- CRC GIS – information sourced from DOC
- Relevant plans and higher order documents

Key issues

- Social Benefits
- Water Quantity
 - Allocation
- Water Quality
 - Nutrient load
- Uncertainties

Status of Application

- NRRP: - non-complying
 - » Taking of C Block Water
 - » The take from Intake 4
 - » Discharges from and into the dams
- Hurunui Plan: - non-complying
 - » Take, divert and use of A and B block water.
 - » Damming of water in the Waitohi River
 - » Discharges not covered by this plan.
- C Block water

Key Objectives and Policies

- NRRP:
 - Objectives WQN 1, WQL1, WQL2.1
 - Policies WQN 1, WQN3, WQL1, WQL2,
- Hurunui Plan:
 - Objectives 2, 3, 5.1,8
 - Policies 2.7, 3.2, 3.5, 5.3, 6.2, 8.1

Allocation

Allocation From Table 1 in Hurunui Plan	Amuri Reach plan allocation (water allocated to consents)	Domett Reach plan allocation (water allocated to consents)	Waitohi River plan allocation (water allocated to consents)	Hurunui Catchment plan allocation (water allocated to consents)
A Allocation	6.2 m ³ /s (6.5 m ³ /s allocated)	2 m ³ /s (2.02 m ³ /s allocated)	365 l/s (500 l/s allocated)	11 m ³ /s (12.02m ³ /s allocated)
B Allocation	10 m ³ /s	Plan allows use of Amuri allocation (0.09 m ³ /s in process)	None specified	10 m ³ /s (0.09 m ³ /s in process)
C Allocation	33 m ³ /s	Plan allows use of Amuri allocation	None specified	33 m ³ /s
Total:	49.2 m ³ /s			54 m ³ /s



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Allocation sought by HWP

- Hurunui River:
 - Total = 49.2 m³/s
 - Combination of allocable water and existing consents.
- Storage Dams:
 - Stage One: 12.6 m³/s - Waitohi River only.
 - Stage Two: 42.4 m³/s – mixture of Waitohi and Hurunui River water.
- Issue is how Waitohi River water fits in EFAR

Reliability of Supply

(existing users)

Post-storage (20M m³) minimum flow:

- Increases in Feb-April both at Mandamus and SH1 on the Hurunui River.
 - Policy 6.2, Policy 3.5
- In the Waitohi River the minimum flow moves to Lake Sumner Bridge from the Hurunui confluence.

Waitohi River (downstream of dams): concern that existing reliability of supply may not be maintained.

Water Quality.

- The nitrate load limit will be exceeded.
- Policy 3.5 – requires water quality to be maintained.
- Policy 5.3 – requires loads are maintained at 2005-2010 levels but allows for a 20 % increase in nitrates over the limit until 2017.

Uncertainties

- Dams
 - Effects of uncontrolled release
 - Effects of inundation
- Potential to “lock” up the resource.